

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Patrick W. Hartwick

Serial No.:

Group No.:

Filed:

Examiner:

For: **SLEEVE PISTON FLUID MOTOR**

Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements
2. Forms PTO/SB/08A and 08B
3. Copies of Listed Information Items Accompanying This Statement
4. Concise Explanation of English Language Principal Listed Information Items
5. Identification of Person(s) Making This Information Disclosure Statement

Section 1. Preliminary Statements

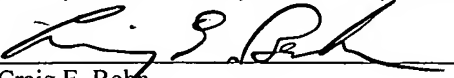
Applicant(s) submits herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this Information Disclosure Statement and the documents referred to as attached thereto are being deposited with the United States Postal Service on the date listed below, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EP830200121 US, addressed to the: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

2/19/04
Date


Craig E. Bohm
Reg. No. 52,629

cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

This application claims the benefit of U.S. Provisional Application No. 60/448,559, filed February 19, 2003.

Section 2. Informatin Disclosure Statements (PTO Forms PTO/SB/08A and 08B)

PTO Form PTO/SB/08A is attached hereto.

Section 3. Copies of Listed Information Items Accompanying This Statement

The best available copies of all items listed in Form PTO/SB/08A accompany this information statement.

Section 4. Concise Explanation of English Language Principal Listed Information Items

1. U.S. Pat. No. 3,088,529 issued to Cullen et al. on May 7, 1963.
Discloses a cylindrical fluid-driven downhole engine having a central shaft possessing multiple rotors with moveable vanes contained in shaped stators in a linear casing that produce rotary motion in the shaft and attachable tools when fluid is forced through the casing configuration to sequentially push against vanes of the rotor.
2. U.S. Pat. No. 3,838,953 issued to Peterson on October 1, 1974.
Discloses a cylindrical downhole rotor-stator motor, driven by a recirculating hydraulic system creating force against the rotor vanes independent of the fluid flushing system.
3. U.S. Pat. No. 3,876,350 issued to Warder on April 8, 1975.
Discloses a positive displacement hydraulic-driven machine having fluid passages axially traveling the length of a central rotor shaft, providing inlet and outlet flow to multiple annular chambers defined by moveable linear vanes, a circumferential stator and a rotor. The device also employs a dumping valve, which continues to discharge fluid when stalling occurs.
4. U.S. Pat. No. 4,105,377 issued to Mayall on August 8, 1978.
Discloses a hydraulic downhole roller motor wherein a core rotor possesses multiple external axial slots, wherein rod roller vanes are alternatingly compressed and withdrawn by forces of a shaped cylindrical housing and directed fluid flow, producing rotary motion in the core rotor and attachable tools.

5-7. U.S. Pat. No. 5,518,379, U.S. Pat. No. 5,785,509 and U.S. Pat. No. 5,833,444 issued to Harris et al. on May 21, 1996, July 28, 1998 and November 10, 1998, respectively,

Discloses variations of a fluid-driven downhole motor having a tubular rotor, with a central flow channel and radial, flow channels to direct the fluid to at least one action chamber between hollow tube stator and the tubular rotor, wherein the fluid acts on rolling vane rods, recessible in wells in the interior surface of the stator, producing rotary motion.

8. U.S. Pat. No. 6,302,666 B1 issued to Gruppung on October 16, 2001,

Discloses a roller vane motor for downhole drilling, wherein the housing is internally shaped to release and depress the roller vanes within wells in the rotor, producing rotation when fluid is forced through the housing.

Section 5. Identification of Person(s) Making This Information Disclosure Statement

The person making this statement is:

- (a) ☐ the inventor(s) who signs below.
- (b) ☐ an individual associated with the filing and prosecution of this application.
- (c) ☒ the practitioner who signs below on the basis of the information:
 - ☐ supplied by the inventor(s).
 - ☐ supplied by an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))
 - ☒ in the practitioner's file.

Respectfully submitted,



Craig E. Bohn
Reg. No. 52,629

February 19, 2004
Law Office of Craig Bohn
River Oaks Tower
3730 Kirby Drive, Suite 1200
Houston, Texas 77098
(713) 520-0606
Fax: (713) 874-0591

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet 1 of 2

Application Number

Filing Date

First Named Inventor

HARTWICK, Patrick W.

Art Unit

Examiner Name

Attorney Docket Number

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 3,088,529	05-07-1963	Cullen et al.	
	2	US- 3,838,953	10-01-1974	Peterson	
	3	US- 3,876,350	04-08-1975	Warder	
	4	US- 4,105,377	08-08-1978	Mayall	
	5	US- 5,518,379	05-21-1996	Harris et al.	
	6	US- 5,785,509	07-28-1998	Harris et al.	
	7	US- 5,833,444	11-10-1998	Harris et al.	
	8	US- 6,302,666	10-16-2001	Gruppig	
	9	US- 4,286,676	09-01-1981	Nguyen	
	10	US- 5,314,030	05-24-1994	Peterson	
	11	US- 4,374,547	02-22-1983	Nguyen et al.	
	12	US- 6,561,289	09-20-2001	Portman	
	13	US- 6,470,974	10-29-2002	Moore	
	14	US- 6,467,557	10/22/2002	Krueger	
	15	US- 6,439,866	08-27-2002	Farkas	
	16	US- 6,290,002	09-18-2001	Comeau	
	17	US- 6,050,346	04-18-2000	Hipp	
	18	US- RE36,166	04-26-1994	Johns	
	19	US- 5,803,187	09-08-1998	Jarvins	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901:04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	HARTWICK, Patrick
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet	2	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.